```
//Title: Grades
//Created By: Jaida Bolfrey

#include <iostream>
#include <fstream>
#include <string>
using namespace std;

int main()
{
   string fName, lastName, firstName, middleInitial, sName;
   ifstream inputFile, gradeFile;
   int grades, allGrades, sum = 0, count = 0, min = 100, max = 0, classCount = 0, classSum = 0;
   double numAvg, classAvg;

   do{
      cout << "Enter Name of Data File: ";
      cin >> fName;
      cout << fName << endl;
      inputFile.open(fName);

      if(!inputFile){
         cout << endl;
         cout << "No Data File" << endl;
         cout << endl;
      }
   }while(!inputFile); //works above
```

```
while(inputFile >> lastName >> firstName >> middleInitial){
   sName = firstName + lastName + ".dat";
   gradeFile.open(sName);

   while(inputFile >> allGrades){
      cout << "hi"; //diagnostic

      if(allGrades > max){
         allGrades = max; //finding max
      }
      if(allGrades < min){
         allGrades = min; //finding min
      }

   classCount++;
   classSum += allGrades;
   }

}

classAvg = static_cast<double>(classSum) / classCount;

cout << "max = " << max << " " << "min= " << min;
//diagnostic line above; max:98, min:72
```

```
    return 0; //finish dataabstract
}
```